

XP-002238759

AN - 1999-224731 [19]

AP - US19980139409 19980825; JP19970229785 19970826

CPY - FUJF

DC - A14 A89 G07 P75 P84

FS - CPI;GMPI

IC - B41N3/03 ; G03F7/00 ; G03F7/09

IN - FUJITA O; KIMURA T

MC - A04-A A12-L02B1 A12-W07B G05-A01 G06-A G06-D05

PA - (FUJF) FUJI PHOTO FILM CO LTD

PN - US6218075 B1 20010417 DW200123 G03F7/09 000pp

- JP11059007 A 19990302 DW199919 B41N3/03 009pp

PR - JP19970229785 19970826

XA - C1999-066082

XIC - B41N-003/03 ; G03F-007/00 ; G03F-007/09

XP - N1999-167105

AB - J11059007 A photosensitive planographic printing plate has an aluminium support. Where, anodisation and a treatment using an aq. soln. of polyvinyl phosphonic acid having a pH of 1.5 or less are applied to the aluminium support.

- ADVANTAGE - The aq. soln. of the polyvinyl phosphonic acid having low pH adsorbs more polyvinyl phosphonic acid on the surface of the support to cover the surface. The result provides the support with sufficient hydrophilicity. The polyvinyl phosphonic acid depresses the penetration of a cleaner to the interface of a photosensitive layer and the support. The photosensitive planographic printing plate has enhanced water ink balance contamination prevention (filling up contamination on an image portion and contamination on a non-image portion) and no deterioration in plate life even if the cleaner is used in printing.

- (Dwg.0/0)

IW - PHOTSENSITISER PLANOGRAPHIC PRINT PLATE COMPOSE ALUMINIUM SUPPORT
ANODISE TREAT POLYVINYL PHOSPHONIC ACID SOLUTION

IKW - PHOTSENSITISER PLANOGRAPHIC PRINT PLATE COMPOSE ALUMINIUM SUPPORT
ANODISE TREAT POLYVINYL PHOSPHONIC ACID SOLUTION

INW - FUJITA O; KIMURA T

NC - 002

OPD - 1997-08-26

ORD - 1999-03-02

PAW - (FUJF) FUJI PHOTO FILM CO LTD

TI - Photosensitive planographic printing plate - composed of aluminium support which has been anodised and treated with polyvinyl phosphonic acid solution

USAB- US6218075 A photosensitive planographic printing plate has an aluminium support. Where, anodisation and a treatment using an aq. soln. of polyvinyl phosphonic acid having a pH of 1.5 or less are applied to the aluminium support.

- ADVANTAGE - The aq. soln. of the polyvinyl phosphonic acid having low pH adsorbs more polyvinyl phosphonic acid on the surface of the support to cover the surface. The result provides the support with sufficient hydrophilicity. The polyvinyl phosphonic acid depresses the penetration of a cleaner to the interface of a photosensitive layer

and the support. The photosensitive planographic printing plate has enhanced water ink balance contamination prevention (filling up contamination on an image portion and contamination on a non-image portion) and no deterioration in plate life even if the cleaner is used in printing.

A01 - [001] 018 ; G0806 G0022 D01 D51 D53 D12 D10 D58 D60 D82 P- 5A O- 6A ;
H0000 ; S9999 S1616 S1605 ;
- [002] 018 ; ND01 ; N9999 N7147 N7034 N7023 ; K9676-R ; K9552 K9483
; Q9999 Q8673-R Q8606 ; Q9999 Q8800 Q8775 ; K9847-R K9790 ; B9999
B3407 B3383 B3372 ;